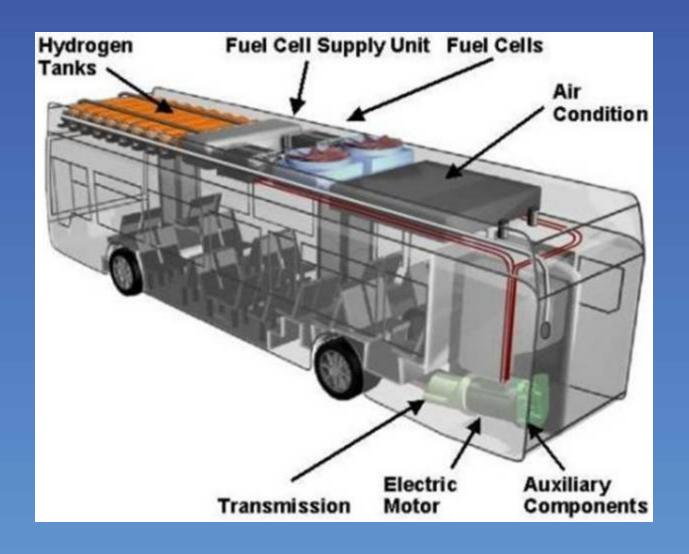


CNG AND HYDROGEN FUEL CELLS



System Layout





Hydrogen compressors





Compressor Pad





Station Controls



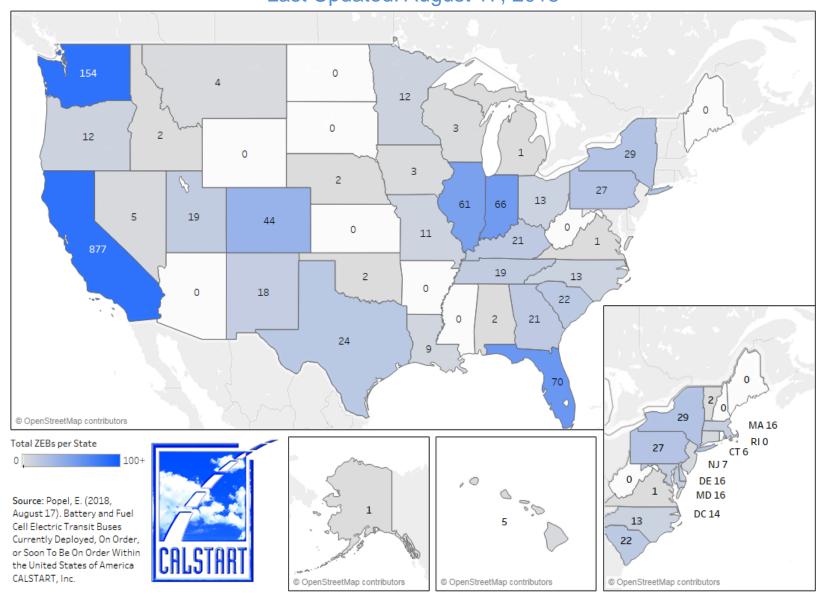


Operations

- Range 220 miles
- Operate every day
- 15 minute fill
- Getting about 7 mpg compared to 4 for diesel
- Program evaluated by NREL

Battery and Fuel Cell Electric Transit Buses Currently Deployed, On Order, or Soon To Be On Order Within the United States of America

Last Updated: August 17, 2018

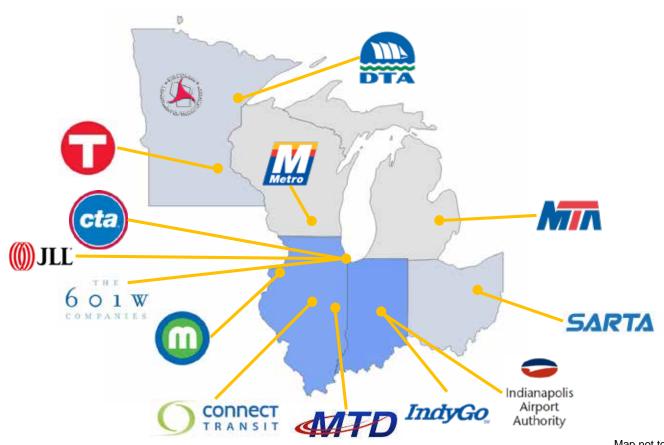


Transit Properties with Battery or Fuel Cell Electric Transit Buses

Last Updated: August 17, 2018

FTA Region 5- Midwest 157 ZEBs

3 FCEB Properties SARTA, Champagne and Flint



Map not to scale

Working Group Participants







































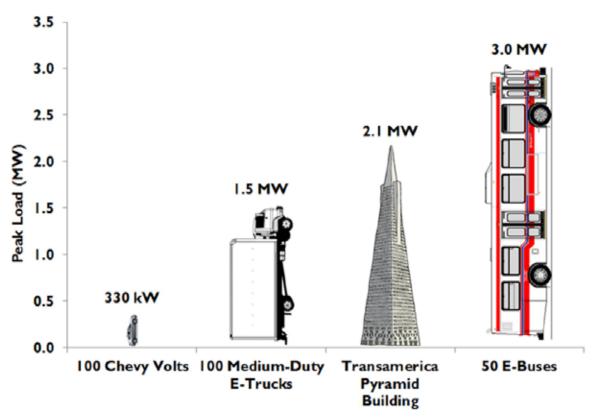








Infrastructure the Near Term Challenge for ZEBs Peak Loads Considerations for Battery Electric Buses



Assumptions: the Chevy Volt charging rate is 3.3 kW, the medium-duty E-Truck charging rate is 15 kW and the E-Bus charging rate is 60 kW.